



**Stantec**

**Stantec Consulting Services, Inc.**  
1901 Nelson Miller Parkway  
Louisville, Kentucky 40223-2177  
Tel: (502) 212-5000  
Fax: (502) 212-5055

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August 14, 2008  
File: LV2008008

**Kentucky Office of the 911 Coordinator/CMRS Board**  
200 Mero Street  
Frankfort, KY 40622

**Attention: Mr. Ken Mitchell**

Dear Mr. Mitchell:

**Reference: CMRS Geospatial Audit**  
**Kentucky State Police Post 12 - Frankfort**  
**1250 Louisville Rd**  
**Frankfort, KY 40601**

The Geospatial Audit of Kentucky State Police Post 12 - Frankfort located in Franklin County was conducted on 8/6/2008. Kentucky State Police Post 12 - Frankfort provides wireless 9-1-1 service for SPENCER COUNTY.

#### **PSAP MAPPING SUMMARY**

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 requires that the mapping solution display the nearest address to an x,y point. The software used by Kentucky State Police Post 12 - Frankfort does not meet this requirement.

#### **FIELD DATA TESTING**

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 0% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

#### **WIRELESS 9-1-1 FUNCTION**

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 100% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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**Reference: CMRS Geospatial Audit**

## CONCLUSION

Mapping Component	<b><u>Does not meet audit criteria</u></b>
Field Data Component	<b><u>Does not meet audit criteria with</u></b> 0% of points tested meeting criteria
Wireless Data Component	<b><u>Meets audit criteria with</u></b> 100% of calls tested meeting criteria

Based on the results of the audit, Kentucky State Police Post 12 - Frankfort does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

**Stantec Consulting Services Inc.**

James B. Morse  
GIS Project Manager  
Tel: (502) 212-5044  
Fax: (502) 212-5055  
James.morse@stantec.com

Attachment: Report Details

c. Files

j:\2008proj\lv2008008\_cmrs\merged summary letter.doc

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# PSAP Mapping Component Summary

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**PSAP Name** Kentucky State Police Post 12 - Frankfort

**Address** 1250 Louisville Rd

**Audit Date** 8/6/2008

**City** Frankfort

**Audit Personnel** MCCORMICK

**Contact** RADIO ROOM SUPERVISOR

**Contact Title** c/o Post Commander

Software	Version	Vendor
INTERACT GEO 911	5.8.09	INTERACT PUBLI

## Mapping Layers Used

**Road Centerlines:** ☒

**Point Addresses:** ☐

**Ortho Photography:** ☒

**Other Layers:** ☒ Type of 'other' layers used by PSAP:

The map has 19 layers: Airport, Cemetery, Place, Town, Addresses, Road, Railroad, Streams, Water, Park, City, County, Woodford (image), Spencer (image), Shelby (image), Scott. SID (image), Franklin (image), Fayette (image), Anderson (image).

## Notes and Observations:

\*\*\*When plotting the location of an address, the software used by KSP will geocode the location on the centerline. Under the present circumstances, the system does not indicate which side of the centerline segment the address would be located. This is a design issue with the software. According to the software vendor, the ideal setup would utilize both street centerline and point address layers for locating address on the correct side of the segment. KSP Posts utilize only a street centerline layer. With only one data set, the functionality of the software is reduced. Since the interpretation of the KAR is that the software should indicate the side of the segment based on the associated ranges, the software solution currently does not meet the requirements of the audit. KSP has initiated steps to resolve the issue. At the time of this writing, there is no timeframe for implementing the resolution.

Observations and comments: (1) The aerial maps are approximately 7 to 8 year old. (2) Upon first arrival the ALI printer was not functional. The dispatchers stated that they had been instructed by some authority ( "they") that the ALI printer was not required. That the data was being stored electronically. However neither the dispatchers nor Mr. Cunningham knew where the data was being stored or how to retrieve the data. (3) The dispatcher was able to get the ALI printer functioning during the audit. We were able to capture wireless calls number 11 through 20 on the print out. Each time the call was re-bid the printer captured it a new call. (4) Some of the wireless call were being made by a State Trooper who was driving around the county. We notice that the one of phone numbers was showing various vendors. Mr. Cunningham explained that this field in the software either data can be obtained - the tower owner/provider or the cell phone vendor. Mr. Cunningham indicated that this was an optional field and he chose to have the cell tower owner over the cell phone provider. However on the surface this information does not appear to be accurate. Reviewing the data from the 911 wireless calls the tower address show multi owners or vendors on the tower. For this report we will use the vendor shown on the ALI screen as the vendor, we will note the one exception on phone number 502-321-1994

The map was last updated the week before 5/6/08. There is no set frequency of updates. The state DOT supplies the information for the maps. The State police have two full time people responsible for GIS and updating the maps.

The data was from the map and the wireless calls were obtained by the dispatcher - Rebecca Templeton -on day shift on 5/27/08. Rory Cunningham was present during the audit.